

February 12, 2010

Mr. Sam Chummar  
Work Assignment Manager  
U.S. Environmental Protection Agency (EPA)  
77 West Jackson Boulevard (SR-6J)  
Chicago, IL 60604

**Subject: Oversight Summary for February 1 through February 5, 2010 (Week 4)**  
**Plainwell Mill Site, Operable Unit No. 7 of**  
**Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site**  
**Plainwell, Allegan County, Michigan**  
**Remedial Action Contract (RAC) 2 No. EP-S5-06-02**  
**Work Assignment No. 041-RSBD-059B**

Dear Mr. Chummar:

SulTRAC has prepared the enclosed summary to document Phase II remedial investigation activities at the above-referenced site from February 1 through 5, 2010 (Week 4). Weyerhaeuser Company is the potentially responsible party for the site, and Conestoga-Rovers & Associates, Inc., (CRA), is its environmental contractor. Appendix A of this summary contains a photographic log of the investigation activities. Appendix B contains SulTRAC's field oversight notes. Appendix C contains SulTRAC's field sample log. Attachment 1 contains CRA's site maps with proposed sample locations.

If you have any questions about the enclosed summary, please call me at (312) 201-7491.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey J. Lifka".

Jeffrey J. Lifka  
Project Manager

Enclosure

cc: Norvelle Merrill-Crawford, EPA Contracting Officer (letter only)  
Ron Riesing, SulTRAC Program Manager  
File

**ENCLOSURE**

**OVERSIGHT SUMMARY  
FOR FEBRUARY 1 THROUGH FEBRUARY 5, 2010 (WEEK 4)  
PLAINWELL MILL SITE  
PLAINWELL, ALLEGAN COUNTY, MICHIGAN**

(Nine Pages)

**OVERSIGHT SUMMARY  
FOR FEBRUARY 1 THROUGH FEBRUARY 5, 2010 (WEEK 4)  
PLAINWELL MILL SITE  
PLAINWELL, ALLEGAN COUNTY, MICHIGAN**

**SulTRAC Oversight Personnel:** Kristi Root  
**Reporting Period:** February 1 through 5, 2010 (Week 4)

**INTRODUCTION**

As requested by the U.S. Environmental Protection Agency (EPA) under contract number EP-S5-06-02 and work assignment number 041-RSBD-059B, SulTRAC conducted oversight and split sampling for Phase II of the Remedial Investigation (RI) for the Plainwell Mill Site, Operable Unit No.7 of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site in Plainwell, Michigan. Weyerhaeuser Company (Weyerhaeuser) is the potentially responsible party (PRP) for the site. Conestoga-Rovers & Associates, Inc. (CRA) is the environmental consultant to Weyerhaeuser.

As requested by EPA, SulTRAC began oversight activities at the site on January 11, 2010. This report summarizes SulTRAC's oversight activities and documentation of the PRP's Phase II activities during Week 4 of the RI from February 1 through 5, 2010; issues and developments that arose during the oversight activities; and future activities. Appendix A contains a photographic log of Week 4's site activities, including Photographs 1 through 5. Appendix B contains a copy of SulTRAC's field oversight notes. Appendix C contains SulTRAC's field sample log. Attachment 1 contains CRA's site maps with proposed sample locations.

## **RI ACTIVITIES**

During the fourth week of RI oversight activities conducted from February 1 through 5, 2010, SulTRAC observed CRA collecting groundwater samples from 19 on-site monitoring wells. CRA maintained two field technicians on site (David Rivers and Corrie Bondy). Prein & Newhof, a survey company hired by CRA, was on site periodically to continue locating monitoring wells and staff gages, and to re-install and fix staff gages (SG-1 and SG-2).

During Week 4, CRA collected groundwater samples from 19 monitoring wells (MW-1 through MW-19). Samples collected by CRA and SulTRAC during Week 4 include: 19 groundwater samples (CRA) and five split samples (SulTRAC) plus one duplicate and one matrix spike/matrix spike duplicate (MS/MSD) (SulTRAC). Details for groundwater samples collected by CRA and SulTRAC are summarized in Appendix C. Sample locations are provided in CRA figures found in Attachment 1.

CRA collected groundwater samples from monitoring wells for analysis for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), polychlorinated biphenyls (PCB), metals (including low-level mercury and methyl mercury), and cyanide. SulTRAC collected groundwater samples from monitoring wells for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury), and cyanide. SulTRAC hand delivered groundwater samples to be analyzed for cyanide and metals (including low-level mercury) to its subcontractor laboratory, TriMatrix Laboratories, Inc., (TriMatrix) in Grand Rapids, Michigan. SulTRAC shipped all other split samples by overnight courier to an EPA Contract Laboratory Program (CLP) laboratory.

### **Monday, February 1, 2010**

At 9:00 a.m., SulTRAC representative Kristi Root arrived on site. The weather was overcast, with temperatures in the low 20s degrees Fahrenheit (°F). CRA personnel on site included two field technicians (David Rivers and Corrie Bondy). The field project coordinator, Jodi Dembowski, was on site infrequently throughout the day. Prein & Newhof, a survey company hired by CRA, was on site periodically to locate monitoring wells and existing staff gages. CRA collected groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury and methyl mercury), and cyanide. SulTRAC collected split groundwater samples for analyses for VOCs, SVOCs, PCBs, metals



(including low-level mercury), and cyanide. Details involving sample identification numbers and sample collection times are provided in Appendix C.

At 9:35 a.m., CRA began setting up at MW-12. A special sampling procedure was required for low-level mercury. The sampling technique is called clean hands/dirty hands. Both CRA field technicians wore Tyvek suits; one technician was designated "Clean Hands" and one was designated "Dirty Hands." The "Clean Hands" handled all operations involving direct contact with the sample bottles and transfer of samples from the sample collection device to the sample bottles. "Dirty Hands" was responsible for all activities not involving direct contact with the samples. Tubing (for the low-flow sample pumping) and sample bottles were double-bagged. The CRA "Dirty Hands" field technician opened the first bag while the "Clean Hands" field technician (1) removed the inside bag containing the tubing or sample bottles (see Photograph No. 1 in Appendix A), (2) connected the tubing to the peristaltic pump, and (3) collected the groundwater samples for low-level mercury analysis. The groundwater samples were obtained using a peristaltic pump with the bottom of the tubing in the middle of the well screen. Each sampling interval was first purged until stable. A flow-through cell with a QED MP20 reader was used to determine when stabilization occurred. Water depths were measured throughout the sampling process to ensure no drawdown due to the pumping rate.

At 9:50 a.m., after CRA had set up at MW-12 and had begun the stabilization process, CRA moved to MW-13. CRA's "Clean Hands" field technician switched to a clean Tyvek suit and clean gloves before starting the setup process at MW-13. The same Clean Hands/Dirty Hands sampling procedures were repeated for collection of all groundwater samples.

At 10:20 a.m., MW-12 was stabilized after five water quality readings had been obtained. CRA collected one groundwater sample from MW-12 and a duplicate. SulTRAC did not collect a split sample from MW-12. After removing the inside bag containing the sample bottles, CRA's "Clean Hands" field technician collected samples for low-level mercury analysis (see Photograph No. 2 in Appendix A), and then returned the bottles and inner bag to the outside bag (see Photograph No. 3 in Appendix A). CRA's "Dirty Hands" field technician did not touch the inner bag or the low-level mercury sample bottles. Once the low-level mercury sample had been collected, either CRA field technician could continue the rest of the sampling.

At 9:50 a.m., MW-13 stabilized after CRA had recorded four water quality measurements. CRA repeated the low-level mercury sampling procedures at MW-13 while 1-liter bottles were filling at MW-12. CRA collected one groundwater sample from MW-13, and SulTRAC collected a split sample. Sample collection ran concurrently at MW-12 and MW-13. Sample collection was completed at MW-12 at 12:00 p.m., and at MW-13 at 12:45 p.m.

At 12:15 p.m., CRA started setting up at MW-14 while sample collection continued at MW-13. Light snow flurries had begun to fall on the site and would increase in quantity throughout the day. MW-14 stabilized at 12:50 p.m. after four water quality measurements had been recorded by CRA. CRA completed collection of one sample at MW-14, including extra volume for an MS/MSD, at 2:15 p.m. SulTRAC did not collect a split sample at MW-14.

At 2:25 p.m., CRA began setting up at MW-11. At 3:05 p.m., MW-11 stabilized after three water quality readings had been collected. CRA collected one groundwater sample and SulTRAC collected one split sample from MW-11. Sample collection was completed at MW-11 at 4:20 p.m.

On Monday, February 1, 2010, CRA collected four groundwater samples, including additional volume for one MS/MSD, and an additional duplicate. SulTRAC collected two groundwater split samples. At 4:50 p.m., SulTRAC left the site to prepare the samples for delivery to its laboratories the following day, and CRA left the site to ship its samples by FedEx for overnight delivery to its laboratories.

#### **Tuesday, February 2, 2010**

At 8:00 a.m., SulTRAC representative Kristi Root arrived on site. The weather was overcast, 24 °F with snow flurries throughout the day and 2 to 3 inches of snow accumulation on site from overnight snowfall. CRA personnel on site included two field technicians (David Rivers and Corrie Bondy), and the field project coordinator (Jodi Dembowske) was on site infrequently throughout the day. Prein & Newhof was on site periodically to locate monitoring wells and existing staff gages and to fix SG-2. CRA collected groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury and methyl mercury), and cyanide. SulTRAC collected split groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury), and cyanide. Details involving sample identification and sample times are provided in Appendix C.

At 8:00 a.m., CRA began setting up at MW-3 using the "Clean Hands/Dirty Hands" sampling procedure. While MW-3 stabilized, CRA began setting up at MW-4. At 8:40 a.m., MW-3 stabilized after three water quality measurements and removal of approximately 2 gallons of groundwater. CRA collected one groundwater sample from MW-3 and an additional duplicate sample. SulTRAC did not collect a split sample from MW-3. At 9:20 a.m., MW-4 stabilized after four water quality measurements and removal of 1.8 gallons of groundwater. CRA collected one groundwater sample from MW-4. SulTRAC collected one groundwater split sample and a duplicate sample at MW-4.

At approximately 11:00 a.m., CRA began setting up at MW-5, which stabilized after four water quality measurements and removal of 1.5 gallons of groundwater. At 11:35 a.m., CRA collected one groundwater sample from MW-5. SulTRAC did not collect a split sample at this location.

At 12:40 p.m., CRA finished sampling MW-5 and moved to MW-10. MW-10 stabilized at 1:25 p.m. after four water quality measurements and removal of approximately 2.1 gallons of groundwater. CRA collected one groundwater sample from MW-10. SulTRAC did not collect a split sample from this location.

At approximately 2:40 p.m., CRA finished sampling MW-10 and started setting up at MW-9. MW-9 stabilized at 3:25 p.m. after 2.1 gallons of groundwater had been removed. CRA collected one groundwater sample from MW-9. SulTRAC did not collect a split sample from this location.

On Tuesday, February 2, 2010, CRA collected five groundwater samples and a duplicate sample. SulTRAC collected one groundwater split sample and one duplicate sample. At 4:30 p.m., SulTRAC departed the site to hand deliver samples to TriMatrix in Grand Rapids and also to ship samples overnight by FedEx to the CLP laboratory. CRA left the site to ship its samples by FedEx for overnight delivery to its laboratories.

### **Wednesday, February 3, 2010**

At 8:00 a.m., SulTRAC representative Kristi Root arrived on site. The weather was overcast, 30 °F with 5 to 6 inches of snow accumulation on site from overnight snowfall. CRA personnel on site included two field technicians (David Rivers and Corrie Bondy), and the field project coordinator (Jodi Dembowske) was on site infrequently throughout the day. Prein & Newhof, was on site to re-install SG-1. CRA collected groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury and methyl mercury), and cyanide. SulTRAC collected split groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury), and cyanide. Details involving sample identification numbers and sample collection times are provided in Appendix C.

At 8:00 a.m., CRA began the sampling setup at MW-18 using the "Clean Hands/Dirty Hands" sampling procedure. While MW-18 stabilized, CRA set up at MW-6. At 8:40 a.m., MW-18 stabilized after three water quality readings and removal of approximately 2.1 gallons of groundwater. CRA collected one groundwater sample from MW-18. SulTRAC collect one groundwater split sample from MW-18 along with additional volume for MS/MSD analyses. At 9:10 a.m., MW-6 stabilized after four water quality

measurements and removal of 1.9 gallons of groundwater. CRA collected one groundwater sample and one duplicate sample from MW-6. SulTRAC did not collect a split sample from MW-6.

At 10:40 a.m., CRA finished sampling MW-6 and MW-18, and began setting up at MW-7. At 11:30 a.m., MW-7 stabilized after four water quality measurements and removal of 1.7 gallons of groundwater. CRA collected one groundwater sample from MW-7. SulTRAC did not collect a split sample at this location.

CRA finished sampling at MW-7 and began setting up at MW-19. MW-19 stabilized at 1:15 p.m. after three water quality measurements and removal of 1.6 gallons of groundwater. CRA collected one groundwater sample from MW-19 with additional volume for MS/MSD analyses. SulTRAC did not collect a split sample from this location.

At 2:40 p.m., CRA finished sampling at MW-19 and began setting up at MW-2. At 3:15 p.m., MW-2 stabilized after three water quality measurements and removal of 1.5 gallons of groundwater. CRA collected one groundwater sample from MW-2. SulTRAC did not collect a split sample at this location.

On Wednesday, February 3, 2010, CRA collected five groundwater samples, additional volume for MS/MSD analyses, and a duplicate sample. SulTRAC collected one groundwater split sample, plus extra volume for MS/MSD analyses. At 4:15 p.m., SulTRAC left the site to prepare the samples for delivery to its laboratories the following day, and CRA left the site to ship its samples by FedEx for overnight delivery to its laboratories.

#### **Thursday, February 4, 2010**

At 8:00 a.m., SulTRAC representative Kristi Root arrived on site. The weather was overcast and 13 °F. CRA personnel on site included three field technicians (David Rivers, Corrie Bondy, and John Valentine), and the field project coordinator (Jodi Dembowske) was on site infrequently throughout the day. John Valentine was on site today only to receive training on low-level mercury sampling. CRA collected groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury and methyl mercury), and cyanide. SulTRAC collected split groundwater samples for analyses for VOCs, SVOCs, PCBs, metals (including low-level mercury), and cyanide. Details involving sample identification numbers and sample collection times are provided in Appendix C.

At 8:00 a.m., CRA began setting up at MW-16 using the "Clean Hands/Dirty Hands" sampling procedure. Due to the cold weather conditions and storage of tubing in the unheated warehouse overnight, sediment froze in the tubing as CRA began pumping. This tubing was discarded and new tubing was installed.

Pumping continued as normal with the new tubing. At 8:45 a.m., MW-16 stabilized after three water quality measurements and removal of 1.7 gallons of groundwater. CRA collected one groundwater sample from MW-16, and SulTRAC collected one split sample. At 9:20 a.m., CRA began setting up at MW-17 while concurrently collecting samples at MW-16.

At 9:45 a.m., CRA finished collecting samples at MW-16, and MW-17 stabilized after four water quality measurements and removal of 2.3 gallons of groundwater. CRA collected one groundwater sample from MW-17 plus additional volume for MS/MSD analyses. SulTRAC did not collect a split sample from MW-17.

At 11:00 a.m., CRA finished sampling at MW-17 and began setting up at MW-1. At 11:40 a.m., MW-1 stabilized after four water quality measurements. CRA collected one groundwater sample from MW-1. SulTRAC did not collect a split sample at this location. Sampling from MW-1 was completed at 12:15 p.m.

At 1:00 p.m., CRA began setting up at MW-8. Once setup had been completed at MW-8, two of the CRA staff moved to MW-15. MW-8 stabilized at 1:45 p.m. after four water quality measurements, and MW-15 stabilized at 2:15 p.m. after three water quality measurements. CRA collected one groundwater sample from both MW-15 and MW-8. SulTRAC did not collect a split sample from either location.

CRA completed groundwater sampling on site at 2:40 p.m. On Thursday, February 4, 2010, CRA collected five groundwater samples plus additional volume for MS/MSD analyses. SulTRAC collected one groundwater split sample. At 3:15 p.m., CRA's John Valentine left the site to return all of the groundwater sampling equipment to CRA local office. The remaining CRA staff organized the remaining supplies. At 3:45 p.m., CRA and SulTRAC left the site. SulTRAC departed the site to hand deliver samples to TriMatrix in Grand Rapids and also to ship samples by FedEx for overnight delivery to the CLP laboratory. CRA left the site to ship its samples by FedEx for overnight delivery to its laboratories.

#### **Friday, February 5, 2010**

At 8:15 a.m., SulTRAC representative Kristi Root and CRA personnel David Rivers, Corrie Bondy, Jodi Dembowske, and Steve Coming arrived on site. The weather was overcast and 33 °F. SulTRAC and CRA personnel began loading vehicles with remaining supplies on site. At 9:00 a.m., CRA staff, Corrie Bondy and David Rivers, began obtaining depth-to-water measurements from all monitoring wells on site (see Photograph No. 4 in Appendix A) and the water elevations at the site's three staff gages (see Photograph No. 5 in Appendix A). Water depths were measured from the top of the monitoring well casing. Table 1

lists the water depths measured during the sampling process and the final water depths measured on Friday, February 5, 2010. At 10:10 a.m., the site was locked up after water depth measurements had been completed and Steve Coming had finished loading CRA's skid loader. CRA and SulTRAC left the site at 10:15 a.m.

**Table 1 Water Depth Measurements**

<b>Location ID</b>	<b>Date of Sampling</b>	<b>Water Depth Measured during Sampling (feet below top of casing)</b>	<b>Water Depth Measured on 2/5/2010 (feet below top of casing)</b>
MW-1	2/4/2010	15.53	15.56
MW-2	2/3/2010	17.31	17.33
MW-3	2/2/2010	7.46	7.51
MW-4	2/2/2010	9.59	9.64
MW-5	2/2/2010	10.85	10.91
MW-6	2/3/2010	15.12	15.16
MW-7	2/3/2010	10.3	10.34
MW-8	2/4/2010	11.09	11.11
MW-9	2/2/2010	14.64	14.68
MW-10	2/2/2010	16.67	16.72
MW-11	2/1/2010	12.98	13.02
MW-12	2/1/2010	11.83	11.89
MW-13	2/1/2010	11.67	11.71
MW-14	2/1/2010	12.43	12.49
MW-15	2/4/2010	10.32	10.35
MW-16	2/4/2010	14.24	14.28
MW-17	2/4/2010	13.84	13.87
MW-18	2/3/2010	15.58	15.61
MW-19	2/3/2010	13.64	13.67

#### **ISSUES AND DEVELOPMENTS**

No issues or developments arose during oversight of Week 4 RI activities.

## **FUTURE ACTIVITIES**

This week completed the Phase II RI site sampling activities as discussed in the work plan. Although CRA did not sample any on-site buildings during this past month of investigative activities, CRA is preparing an on-site building sampling plan for submittal to EPA. SulTRAC will review the plan and also oversee sampling of buildings in the near future as requested by EPA.

SulTRAC will also validate all sample analytical data received from TriMatrix for the Phase II RI sampling event. Also, EPA's Central Regional Laboratory will validate the CLP data for submittal to SulTRAC, and SulTRAC will evaluate these data as well. SulTRAC then will compare the split sample results to CRA's analytical data.

**APPENDIX A**  
**SULTRAC PHOTOGRAPHIC LOG**  
(Three Pages)





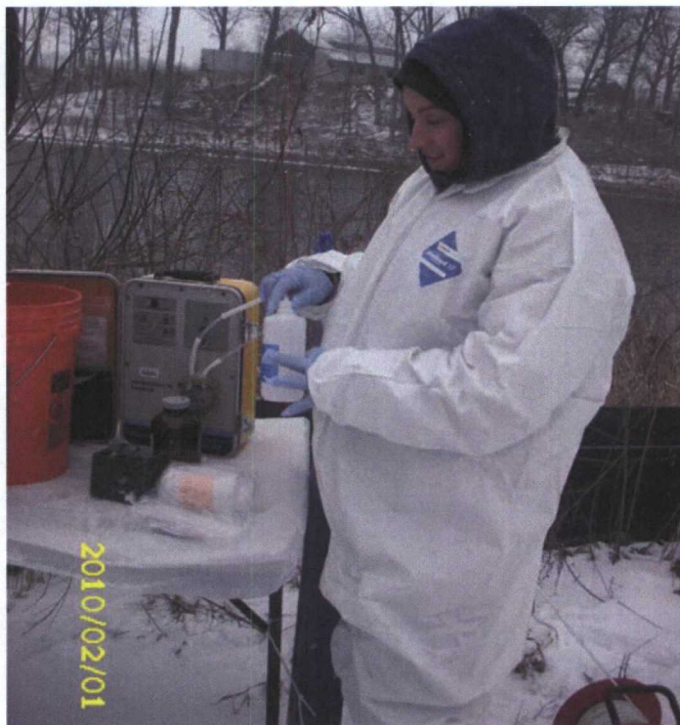
Photograph No. 1

Orientation: North

Description: CRA's "Clean Hands" field technician removing inner bag containing low-level mercury sample container.

Location: Plainwell Mill Site

Date: February 1, 2010



Photograph No. 2

Orientation: North

Description: CRA's "Clean Hands" field technician collecting low-level mercury sample.

Location: Plainwell Mill Site

Date: February 1, 2010



Photograph No. 3

Orientation: West

Description: CRA's "Clean Hands" field technician returning sample bottle to bag while CRA's "Dirty Hands" field technician holds outside bag.

Location: Plainwell Mill Site

Date: February 1, 2010



Photograph No. 4  
 Orientation: East  
 Description: CRA measuring water depth at MW-16.

Location: Plainwell Mill Site  
 Date: February 5, 2010



Photograph No. 5  
 Orientation: Northeast  
 Description: CRA recording water elevation at staff gage-3 (SG-3).

Location: Plainwell Mill Site  
 Date: February 5, 2010

**APPENDIX B**  
**SULTRAC OVERSIGHT FIELD NOTES**  
(Eight Sheets)





*"Rite in the Rain"*®

ALL-WEATHER

**FIELD**

No. 351

PLAINWELL MILL

RI OVERSIGHT

1-11-2010 →

BOOK 2

# Plainwell Mill (Well 4) 02-01-10

0900 - CRA + SulTRAC staff onsite

SulTRAC - K. Root

CRA - Corrie Bondy + David Rivers

- weather 22°F, overcast, no wind

CRA has 19 GW samples to take  
this week

0935 - CRA both put tyrex for low  
level mercury sampling. Using  
clean hand ~~dirty~~ hand method  
Corrie Bondy - clean hands

MW-12 water level 11.83'

drawdown only to 11.85

Started purging well

D. Rivers opened bag of tubing

C. Bondy grabs tubing and

lowered tubing into well and

connect tubing to peristaltic

pump - water quality QED MP20

Clean hands removed tyrex suit

and hands

0950 CRA started setting up on MW-13

while waiting for MW-12 to stabilize

0955 MW-13 bottom of well 18.83

water level - 11.67

Kushu Ru

2-01-10



## Plainwell Mill

2-01-10

- 0955 - clean tyvek suit and gloves —  
 were used for clean hand person —  
 - same procedure for tubing —  
 - started purging MW-13

1005-1020 - 5 readings taken at MW-12

Stabilized MW-12

1020 - GW-56394-CB-020110-197

1045 GW-56394-CB-020110-198 dup

- D. Rivers (dirty hands) opened  
 Outside sample bag C. Bondy (clean hands)  
 grabbed second bag w/ sample bottles  
 C. Bondy took Low level Hg —

1025-1050 MW-13 stabilized after  
4 readings MW-13

1050 - GW-56394-CB-020110-199

S-GW-56394-CB-020110-199 split1100 - Prein & Newhof - onsite - survey  
 crew —

- light flurries started —

1200 - finished sampling MW-12 - starting  
 to set up on MW-14 —1215 Started clean/dirty hand setup —  
procedure @ MW-14

1245 - completed sampling MW-13 —

*Kurke* 2-01-10

## Plainwell Mill

2-01-10

1235-1250 stabilized MW-14

1250 GW-56394-CB-020110-200 MS/MSH1305 - backnote - took 3 readings to  
 stabilize but took 4<sup>th</sup> to be sure

1415 - finished sampling —

1425 - started MW-11 - C. Bondy

clean hands D. Rivers dirty hands  
 water level @ 12.98 —1430 - snow flurries increasing —

1505 GW-56394-CB-020110-201

1505 S-GW-56394-CB-020110-201 split~~1435~~ took 3 readings for stabilization MW-11

1435-1505 - backnote —

1620 - finished sampling MW-11

Daily summary — 02-01-10 —

CRA: 4 samples - GW

Sutrac: 2 samples - GW

1650 - Sutrac and CRA offsite —

Photo log Backnotes —

1518 - Photo log (E) clean hands rinsing  
 LL Hg vials —1517 - Photo log (E) clean hands rinsing  
 LL Hg @ MW-11 —

1516 - Photo log (W) clean hands/remove from bag

*Kurke* 02-01-10



## Plainwell Mill 02-01-10

- 1516 - Photo log (continued) dirty hands  
holding outside bag —————
- 1510 - Photo log (W) sampling LL Hg
- 1510 - Photo log (W) clean hands removing  
sample bottle from inner bag - MW-11
- 1432 Photo log - MW-11 - bacteria cells  
sporadically in groundwater
- 1108 Photo log (W) clean hands returning  
sample bottles LL Hg back in outside  
bag - MW-13 —————

*Kr Rn* 02-01-10

## Plainwell Mill 2-02-10

- 0800 - SULTRAC onsite CRA already onsite  
CRA staff - C. Bady + D. Rivers  
- CRA started on MW-3 - clean/dirty  
hand procedure to setup tubing  
GW-S6394-CB-020110-202 - CRA trip blanks
- 0825 - CRA set up MW-4 while MW-3  
stabilizes —————
- 0840 MW-3 stabilized - 3 readings  
to stabilize (2 gals) - water level 7.46
- 840 GW-S6394-CB-020210-203
- 910 GW-S6394-CB-020210-204 Dup
- 0900 - weather - 24°F, overcast, snow  
flurries, 2-3" accumulation over night
- 0905 - MW-4 - water level 9.59
- 0920 - MW-4 stabilized 1.8 gals removed  
4-readings —————
- 0920 - GW-S6394-CB-020210-205
- 0920 - S-GW-S6394-CB-020210-205 spurt
- 0950 - SD - GW-S6394-CB-020210-205 dup - SULTRAC
- 1000 - Plain & Newhof onsite installing staff  
gage —————
- 1100 - CRA start stabilizing MW-5 —
- 1130 - finished sampling MW-4 —
- Kr Rn* 2-02-10



Plainwell Mill

02-02-10

- 1130 - Rein + Newhof finished staff gage  
 1135 - MW-5 stabilized - (1.5 gal) 4 readings  
1135 GW-56394-CB-020210-206  
 1240 - finished MW-5 starting setup  
 on MW-10  
1325 - MW-10 stabilized (2.1 gals removed) 4 readings  
1325 GW-56394-CB-020210-207  
 1405 - finished sampling MW-10  
 1440 - started stabilization @ MW-9  
 - snow flurries increased  
 4" total accumulation  
1525 - MW-9 stabilized (2.1 gals)  
1525 GW-56394-CB-020210-208  
 1615 finished sampling MW-9  
 1630 - CRA + SUTRAC offsite  
 2-2-10 Summary  
 CRA - 5 mw samples  
 CRA - 1 Dup  
 SUTRAC - 1 sample (mw) 1 dup

02-2-10



Plainwell

2-3-10

- 0800 SUTRAC onsite CRA already  
 onsite weather 30°F no snow  
 5-6" total accumulation overnight  
 - CRA set up on MW-18  
 Clean/hands dirty hands setup  
 0820 - CRA moved on to MW-6  
 while MW-1 stabilizes  
 0840 - MW-18 stabilized (2.1 gal)  
 3 readings  
~~MW-56394-CB-020310-210 KR~~  
~~S-MW~~ KR  
 0840 GW-56394-CB-020310-210  
 0840 S-GW-56394-CB-020310-210 <sup>spur</sup> ms/msd  
0910 - MW-6 stabilized (1.9 gal) 4 readings  
0910 GW-56394-CB-020310-211  
0940 GW-56394-CB-020310-212 dup  
 1040 - finished sampling MW-18 + MW-6  
 started stabilizing MW-7  
1130 MW-7 stabilized (1.7 gal) 4 readings  
1130 - GW-56394-CB-020310-213  
 1215 - finished sampling MW-7  
 1238 Photo log(s) MW-19 clean/hands/  
 dirty hands - removing tubing to setup well  
 1240 - started stabilizing MW-19

 2-3-10



Plainwell Mill 02-03-10

1315 GW-S6394-CB-020310-214 - ms/msd

1315 - Stabilized 3 readings (1.6 gal) MW-19

- Backnote - water level sampling

MW-18 - 15.58'

MW-6 - 15.12'

MW-7 - 10.30'

MW-19 - 13.64'

MW-13 - 11.67'

MW-12 - 11.83'

MW-14 - 12.43

MW-11 - 12.98

MW-3 - 7.46

MW-4 - 9.59

MW-5 - 10.85

MW-10 - 16.67

MW-9 - 14.64

1435 - finished sampling MW-19

1440 - started setup on MW-2

1440 - MW-2 water level - 17.31'

1515 - GW-S6394-CB-020310-215

1515 - stabilized (1.5 gal) 3 readings - MW-2

1405<sup>to</sup> 1605 - finished sampling MW-2

1615 - SUTRAE + CRA offsite

SUTRAE - Prepare samples to ship to  
CLP lab.

for 2-03-10

Plainwell Mill

02-04-10

0800 - SUTRAE onsite, CRA already  
present. CRA staff, C. Bondy  
& D. Rivers, SUTRAE all week  
has been Root only- weather 13°F overcast  
no snow

0800 - started on MW-16

0810 - 1<sup>st</sup> tubing down well pulled  
up sediment that froze in  
the tubing. Water depth is  
about 18' & tubing already  
cold from being in warehouse  
overnight - used another tubing  
and started stabilizing procedure0845 - MW-16 water depth ~~17.93'~~ <sup>17.93'</sup> ~~17.94'~~ <sup>17.94'</sup>  
<sup>see below</sup> 1.7 gal purged - 3 readings

0845 - GW-S6394-CB-020410-217

0845 - S-GW-S6394-CB-020410-217 split

0800 - Backnote John Valentine from  
CRA also onsite - training0920 - CRA moved to MW-17 to start  
stabilizing well while C. Bondy  
sampled at MW-16

Kusner 02-04-10



Plainwell Mill 02-04-10

0945 - finished sampling at MW-17  
 J. Valentini taking water  
 quality readings for stabilization  
 @ MW-17

0955 - stabilized MW-17 - water depth  
~~submerged~~ @ 17.67' - 4 readings (2.3 gal removed)

0955 GW-S6394-CB-020410-218 MS(MSD)

1100 - finished sampling MW-17  
 and started setting up @ MW-1

1140 - MW-1 stabilized 4-readings  
 water level @ 19.84' (measured top of meter)

1140 - GW-S6394-CB-020410-219

1140 - Backhoe - depth to water 15.53' MW-1

- MW-16 depth to water 14.24' -

- MW-17 depth to water 13.84' -

- value previously noted in log was well depth

1215 - finished sampling MW-1 -

CRA and SUTRAC broke for lunch  
 offsite

1300 - CRA set up on MW-8 and began  
 stabilizing procedure

1315 - CRA, C.D. Rivers & J. Valentini moved  
 to MW-15 to set up while C. Bondy  
 remained at MW-8 for stabilization

- KVR 2-04-10

Plainwell Mill 02-04-10

1345 - MW-8 stabilized water depth  
 @ 11.09' 4-readings

1345 - GW-S6394-CB-020410-220

1405 - MW-15 stabilized water  
 depth @ 10.32' 3 readings

1405 - GW-S6394-CB-020410-221

1425 - finish sampling MW-8 -

1440 - finish sampling MW-15 -  
 - started packing up equipment  
 and samples

1515 - J. Valentini (CRA) offsite  
 to return GW sampling  
 equipment -  
 completed all GW sampling  
 onsite

1545 - SUTRAC + CRA - cleaning up  
 supplies/site - finished  
 - SUTRAC + CRA offsite

1550 - SUTRAC to hotel to finish  
 preparing samples for trip  
 to Grand Rapids to trimatex  
 4 CLP via FedEx

Summary - CRA - 5 GW samples  
 SUTRAC - 1 GW sample

M. Reed 2-4-10



## Plainwell Mill 2-5-10

0815 - SuITRAC &amp; CRA arrive on site

0845 - loading ~~at~~ <sup>up</sup> supplies left at the site

0900 - Started taking water level readings

MW-12 - KR

LOCATION	WATER DEPTH (depth to water)
MW-12	11.89
SG-3	0.50 photo log (NE)
MW-13	11.71
MW-14	12.49
MW-11	13.62
MW-10	16.72
MW-15	10.35
MW-8	11.11
MW-7	10.34
MW-19	13.67
MW-5	<del>10.91</del> <sup>KR</sup> 10.91
MW-4	9.64
SG-2	3.32 photo log (NE)
MW-3	7.51
MW-2	17.33
MW-1	15.86
MW-17	13.87
SG-1 (new staff gage)	8.2 (s) photo log

all MW levels taken from top of riser

2-5-10

## Plainwell Mill

2-5-10

MW-16 14.28' photo log (E)  
 MW-18 15.61 (2 photos)  
 MW-6 15.16  
 MW-9 14.68

1000 - weather on site - 33°F overcast

- CRA project coordinator Jodi has been on site

each morning to collect paper work

1010 - MW - depth to water

Sampling complete

CRA C. Bondy off site

- CRA Steve Corning finished

loading skid loader and preparing to leave site

- CRA D. Rivers locking up site

1015 - SuITRAC &amp; CRA off site

Backnote - Photo log 2-04-10

8:57 - CRA sampling @ MW-16

Krustalure 02-05-10

**APPENDIX C**

**FIELD SAMPLE LOG**

(11 Pages)



SUBSURFACE SOIL SAMPLES										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
FIELD BLANK	CRA	SO-56394-CB-011110-005	1/11/2010			FB				
MW-14	CRA	SO-56394-CB-011210-006	1/12/2010	0-2	1010	MS/MSD	1			
MW-14	CRA	SO-56394-CB-011210-008	1/12/2010	8-10	1030		1			
MW-14	CRA	SO-56394-CB-011210-009	1/12/2010	8-10	1035	DUPLICATE				
MW-15	CRA	SO-56394-CB-011110-003	1/11/2010	0-2	1535		1			
MW-15	CRA	SO-56394-CB-011110-004	1/11/2010	4-6	1550		1			
MW-15	SuITRAC	S-SO-56394-CB-011110-003	1/11/2010	0-2	1535			1		
MW-16	CRA	SO-56394-CB-011210-015	1/12/2010	8-10	1600		1			
MW-16	CRA	SO-56394-CB-011210-016	1/12/2010	3-5	1550		1			
MW-16	CRA	SO-56394-CB-011210-017	1/12/2010	0-2	1540		1			
MW-16	SuITRAC	S-SO-56394-CB-011210-015	1/12/2010	8-10	1600			1		
MW-17	CRA	SO-56394-CB-011310-018	1/13/2010	0-2	1100		1			
MW-17	CRA	SO-56394-CB-011210-019	1/12/2010	8-10	1700		1			
MW-17	CRA	SO-56394-CB-011310-020	1/13/2010	0-2	1110	DUPLICATE				
MW-18	CRA	SO-56394-CB-011310-025	1/13/2010	0-2	1510		1			
MW-18	CRA	SO-56394-CB-011310-026	1/13/2010	8-10	1520		1			
MW-18	CRA	SO-56394-CB-011310-027	1/13/2010	10-12	1530		1			
MW-18	SuITRAC	S-SO-56394-CB-011310-026	1/13/2010	8-10	1520			1		
MW-19	CRA	SO-56394-CB-011310-028	1/13/2010	0-2	1630		1			
MW-19	CRA	SO-56394-CB-011310-029	1/13/2010	8-10	1640		1			
MW-19	SuITRAC	S-SO-56394-CB-011310-028	1/13/2010	0-2	1630			1		
SB-109	CRA	SO-56394-CB-011110-001	1/11/2010	0-2	1415		1			
SB-109	CRA	SO-56394-CB-011110-002	1/11/2010	8-10	1425		1			
SB-303	CRA	SO-56395-CB-011410-032	1/14/2010	0-2	900	MS/MSD	1			
SB-303	CRA	SO-56395-CB-011410-033	1/14/2010	3.5-5.5	905		1			
SB-303	SuITRAC	S-SO-56395-CB-011410-033	1/14/2010	3.5-5.5	905			1		
SB-303	SuITRAC	SD-SO-56395-CB-011410-033	1/14/2010	3.5-5.5	907	DUPLICATE			1	
SB-303	CRA	SO-56395-CB-011410-034	1/14/2010	5.5-7.5	910		1			
SB-303	CRA	SO-56395-CB-011410-035	1/14/2010	8-10	915		1			
SB-303	CRA	SO-56395-CB-011410-036	1/14/2010	8-10	920	DUPLICATE				
SB-304	CRA	SO-56395-CB-011410-037	1/14/2010	0-2	1010		1			
SB-304	CRA	SO-56395-CB-011410-038	1/14/2010	4-6	1015		1			
SB-304	CRA	SO-56395-CB-011410-039	1/14/2010	6-8	1020		1			
SB-304	CRA	SO-56395-CB-011410-040	1/14/2010	8-10	1025		1			
SB-304	SuITRAC	S-SO-56395-CB-011410-040	1/14/2010	8-10	1025			1		
SB-305	CRA	SO-56395-CB-011410-041	1/14/2010	0-2	1120		1			
SB-305	SuITRAC	S-SO-56395-CB-011410-041	1/14/2010	0-2	1120	MS/MSD		1		1
SB-305	CRA	SO-56395-CB-011410-042	1/14/2010	8-10	1130		1			

SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
SB-306	CRA	SO-56395-CB-011410-043	1/14/2010	0-1	1210		1			
SB-306	CRA	SO-56395-CB-011410-044	1/14/2010	7.5-9.5	1215		1			
SB-306	CRA	SO-56395-CB-011410-045	1/14/2010	7.5-9.5	1220	DUPLICATE				
SB-306	CRA	SO-56395-CB-011410-046	1/14/2010	9.5-11	1225		1			
SB-306	SuITRAC	S-SO-56395-CB-011410-046	1/14/2010	9.5-11	1225			1		
SB-307	CRA	SO-56395-CB-011410-047	1/14/2010	0-1	1400		1			
SB-307	CRA	SO-56395-CB-011410-048	1/14/2010	6-8	1405		1			
SB-307	CRA	SO-56395-CB-011410-049	1/14/2010	6-8	1410	DUPLICATE				
SB-307	CRA	SO-56395-CB-011410-050	1/14/2010	8-10	1415		1			
VA-1	CRA	SO-56394-CB-011310-1010	1/13/2010	0-2	1315		1			
VA-1	CRA	SO-56394-CB-011310-1011	1/13/2010	8-10	1325		1			
VA-1	SuITRAC	S-SO-56394-CB-011310-1011	1/13/2010	8-10	1325			1		
SB-110	CRA	SO-56394-CB-011810-053	1/18/2010	0-1	1000		1			
SB-110	CRA	SO-56394-CB-011810-054	1/18/2010	8-10	1005		1			
SB-110	CRA	SO-56394-CB-011810-055	1/18/2010	8-10	1010	Duplicate				
SB-108	CRA	SO-56394-CB-011810-056	1/18/2010	0-1	1115		1			
SB-108	CRA	SO-56394-CB-011810-057	1/18/2010	6.5-8.5	1120		1			
SB-108	CRA	SO-56394-CB-011810-058	1/18/2010	8.5-10.0	1125		1			
SB-108	SuITRAC	S-SO-56394-CB-011810-057	1/18/2010	6.5-8.5	1125			1		
SB-107	CRA	SO-56394-CB-011810-059	1/18/2010	0-1	1300		1			
SB-107	CRA	SO-56394-CB-011810-060	1/18/2010	6.5-8.5	1305		1			
SB-107	CRA	SO-56394-CB-011810-061	1/18/2010	8.5-10.0	1310		1			
SB-101	CRA	SO-56394-CB-011810-062	1/18/2010	0-1	1345	MS/MSD	1			
SB-101	CRA	SO-56394-CB-011810-063	1/18/2010	6.8-8.8	1350		1			
SB-101	CRA	SO-56394-CB-011810-064	1/18/2010	8.8-9.5	1355		1			
SB-101	SuITRAC	S-SO-56394-CB-011810-062	1/18/2010	0-1	1345			1		
SB-106	CRA	SO-56394-CB-011810-067	1/18/2010	0-1	1505		1			
SB-106	CRA	SO-56394-CB-011810-068	1/18/2010	3.5-5.5	1510		1			
SB-106	CRA	SO-56394-CB-011810-069	1/18/2010	8-10	1515		1			
SB-106	CRA	SO-56394-CB-011810-070	1/18/2010	8-10	1520	Duplicate				
SB-111	CRA	SO-56394-CB-011810-071	1/18/2010	0-1	1605		1			
SB-111	CRA	SO-56394-CB-011810-072	1/18/2010	7-9	1605		1			
SB-111	SuITRAC	S-SO-56394-CB-011810-071	1/18/2010	0-1	1605			1		
SB-308	CRA	SO-56394-DR-011810-1020	1/18/2010	0-2	1410		1			
SB-308	CRA	SO-56394-DR-011810-1021	1/18/2010	3-5	1415		1			
SB-308	CRA	SO-56394-DR-011810-1022	1/18/2010	7.5-9.5	1420		1			
Test Pit 201	CRA	SO-56394-DR-011910-1023	1/19/2010	0-2	1105		1			



SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SulTRAC sample count	SulTRAC Duplicate Count	SulTRAC MS/MSD count
Test Pit 201	CRA	SO-56394-DR-011910-1024	1/19/2010	8-10	1130		1			
Test Pit 201	SulTRAC	S-SO-56394-DR-011910-1024	1/19/2010	8-10	1130			1		
Test Pit 202	CRA	SO-56394-DR-011910-1025	1/19/2010	1-2	1330		1			
Test Pit 202	CRA	SO-56394-DR-011910-1026	1/19/2010	1-2	1335	Duplicate				
Test Pit 202	CRA	SO-56394-DR-011910-1027	1/19/2010	8-10	1340		1			
SB-113	CRA	SO-56394-CB-011910-073	1/19/2010	0-1	905		1			
SB-113	CRA	SO-56394-CB-011910-074	1/19/2010	8-10	910		1			
SB-112	CRA	SO-56394-CB-011910-075	1/19/2010	0-1	950		1			
SB-112	CRA	SO-56394-CB-011910-076	1/19/2010	0-1	950	Duplicate				
SB-112	CRA	SO-56394-CB-011910-077	1/19/2010	6-8	950		1			
SB-112	SulTRAC	S-SO-56394-CB-011910-077	1/19/2010	6-8	950			1		
SB-112	SulTRAC	SD-SO-56394-CB-011910-077	1/19/2010	6-8	950	Duplicate			1	
SB-114	CRA	SO-56394-CB-011910-078	1/19/2010	0-1	1110		1			
SB-114	CRA	SO-56394-CB-011910-079	1/19/2010	8-10	1115		1			
SB-116	CRA	SO-56394-CB-011910-080	1/19/2010	0-1	1250		1			
SB-116	CRA	SO-56394-CB-011910-081	1/19/2010	7-9	1255		1			
SB-116	SulTRAC	S-SO-56394-CB-011910-081	1/19/2010	7-9	1255			1		
SB-116	CRA	SO-56394-CB-011910-082	1/19/2010	9.5-10	1300		1			
SB-117	CRA	SO-56394-CB-011910-083	1/19/2010	0-1	1410	MS/MSD	1			
SB-117	CRA	SO-56394-CB-011910-084	1/19/2010	8-10	1415		1			
SB-115	CRA	SO-56394-CB-011910-085	1/19/2010	0-1	1520		1			
SB-115	CRA	SO-56394-CB-011910-086	1/19/2010	3-5	1525		1			
SB-115	SulTRAC	S-SO-56394-CB-011910-086	1/19/2010	3-5	1525			1		
SB-115	CRA	SO-56394-CB-011910-087	1/19/2010	5-7	1530		1			
SB-115	CRA	SO-56394-CB-011910-088	1/19/2010	9-10	1535		1			
SB-119	CRA	SO-56394-CB-011910-089	1/19/2010	0-1	1620		1			
SB-119	CRA	SO-56394-CB-011910-090	1/19/2010	8-10	1625		1			
SB-119	SulTRAC	S-SO-56394-CB-011910-090	1/19/2010	8-10	1625			1		
Test Pit 203	CRA	SO-56394-DR-012010-1031	1/20/2010	0.5-1.5	845		1			
Test Pit 203	SulTRAC	S-SO-56394-DR-012010-1031	1/20/2010	0.5-1.5	845			1		
Test Pit 203	CRA	SO-56394-DR-012010-1032	1/20/2010	2-4	900		1			
Test Pit 203	CRA	SO-56394-DR-012010-1033	1/20/2010	8-10	925		1			
Test Pit 301	CRA	SO-56394-DR-012010-1034	1/20/2010	0-1	1135		1			
Test Pit 301	CRA	SO-56394-DR-012010-1035	1/20/2010	6-8	1210		1			
Test Pit 301	SulTRAC	S-SO-56394-DR-012010-1035	1/20/2010	6-8	1210			1		
Test Pit 301	CRA	SO-56394-DR-012010-1036	1/20/2010	8-10	1225		1			
Test Pit 302	CRA	SO-56394-DR-012010-1037	1/20/2010	0.5-1.5	1345		1			
Test Pit 302	CRA	SO-56394-DR-012010-1038	1/20/2010	4-6	1400		1			
Test Pit 302	SulTRAC	S-SO-56394-DR-012010-1038	1/20/2010	4-6	1400			1		



SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
Test Pit 302	CRA	SO-56394-DR-012010-1039	1/20/2010	10-11	1425		1			
Test Pit 306	CRA	SO-56394-DR-012010-1041	1/20/2010	0.5-1.5	1515		1			
Test Pit 306	CRA	SO-56394-DR-012010-1042	1/20/2010	6-7	1535		1			
Test Pit 306	CRA	SO-56394-DR-012010-1043	1/20/2010	6-7	1540	Duplicate				
SB-144	CRA	SO-56394-CB-012010-092	1/20/2010	0-1	1000		1			
SB-144	CRA	SO-56394-CB-012010-093	1/20/2010	7-9	1005		1			
SB-144	CRA	SO-56394-CB-012010-093	1/20/2010	7-9	1005	Duplicate				
SB-145	CRA	SO-56394-CB-012010-094	1/20/2010	0-1	1100		1			
SB-145	CRA	SO-56394-CB-012010-095	1/20/2010	7.5-9.5	1105		1			
SB-145	SuITRAC	S-SO-56394-CB-012010-094	1/20/2010	0-1	1100			1		
SB-143	CRA	SO-56394-CB-012010-096	1/20/2010	0-1	1200		1			
SB-143	CRA	SO-56394-CB-012010-097	1/20/2010	8-10	1205		1			
SB-142	CRA	SO-56394-CB-012010-098	1/20/2010	0-1	1355		1			
SB-142	CRA	SO-56394-CB-012010-099	1/20/2010	8.5-10.5	1400		1			
SB-142	SuITRAC	S-SO-56394-CB-012010-099	1/20/2010	8.5-10.5	1350			1		
SB-102	CRA	SO-56394-CB-012010-100	1/20/2010	0-1	1430		1			
SB-102	CRA	SO-56394-CB-012010-101	1/20/2010	8-10	1435		1			
SB-118	CRA	SO-56394-CB-012010-102	1/20/2010	0-1	1545		1			
SB-118	CRA	SO-56394-CB-012010-103	1/20/2010	7.5-9.5	1550		1			
SB-103	CRA	SO-56394-CB-012010-104	1/20/2010	0-1	1640		1			
SB-103	CRA	SO-56394-CB-012010-105	1/20/2010	7-9	1645		1			
SB-103	SuITRAC	S-SO-56394-CB-012010-105	1/20/2010	7-9	1645			1		
Test Pit 303	CRA	SO-56394-DR-012110-1044	1/21/2010	0-1	835		1			
Test Pit 303	CRA	SO-56394-DR-012110-1045	1/21/2010	6-8	855		1			
Test Pit 303	SuITRAC	S-SO-56394-DR-012110-1045	1/21/2010	6-8	855			1		1
Test Pit 307	CRA	SO-56394-DR-012110-1046	1/21/2010	0.5-1.5	1020		1			
Test Pit 307	CRA	SO-56394-DR-012110-1047	1/21/2010	0.5-1.5	1025	Duplicate				
Test Pit 307	CRA	SO-56394-DR-012110-1048	1/21/2010	8-10	1045		1			
Test Pit 307	CRA	SO-56394-DR-012110-1049	1/21/2010	2-3	1120		1			
Test Pit 307	SuITRAC	S-SO-56394-DR-012110-1049	1/21/2010	2-3	1120			1		
Test Pit 307	SuITRAC	SD-SO-56394-DR-012110-1049	1/21/2010	2-3	1125	Duplicate			1	
Test Pit 305	CRA	SO-56394-DR-012110-1050	1/21/2010	0.5-1.5	1340		1			
Test Pit 305	SuITRAC	S-SO-56394-DR-012110-1050	1/21/2010	0.5-1.5	1340			1		
Test Pit 305	CRA	SO-56394-DR-012110-1051	1/21/2010	2-4	1350	MS/MSD	1			
Test Pit 305	CRA	SO-56394-DR-012110-1052	1/21/2010	6-8	1405		1			
Test Pit 304	CRA	SO-56394-DR-012110-1053	1/21/2010	0.5-1.5	1455		1			
Test Pit 304	CRA	SO-56394-DR-012110-1054	1/21/2010	2-4	1505		1			
Test Pit 304	CRA	SO-56394-DR-012110-1055	1/21/2010	5-7	1515		1			
SB-120	CRA	SO-56394-CB-012110-106	1/21/2010	0-1	905		1			



SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SulTRAC sample count	SulTRAC Duplicate Count	SulTRAC MS/MSD count
SB-120	CRA	SO-56394-CB-012110-107	1/21/2010	7.75-9.75	910		1			
SB-120	CRA	SO-56394-CB-012010-108	1/21/2010	0-1	915	Duplicate				
SB-120	SulTRAC	S-SO-56394-CB-012110-107	1/21/2010	7.75-9.75	900			1		
SB-104	CRA	SO-56394-CB-012110-109	1/21/2010	0-1	950		1			
SB-104	CRA	SO-56394-CB-012110-110	1/21/2010	3-5	955	MS/MSD	1			
SB-104	CRA	SO-56394-CB-012110-111	1/21/2010	5-7	1000		1			
SB-104	CRA	SO-56394-CB-012110-112	1/21/2010	8-10	1005		1			
SB-104	SulTRAC	S-SO-56394-CB-012110-109	1/21/2010	0-1	1000			1		
SB-122	CRA	SO-56394-CB-012110-113	1/21/2010	0-1	1120		1			
SB-122	CRA	SO-56394-CB-012110-114	1/21/2010	8-10	1125		1			
SB-122	SulTRAC	S-SO-56394-CB-012110-114	1/21/2010	8-10	1120			1		
SB-124	CRA	SO-56394-CB-012110-115	1/21/2010	0-1	1315		1			
SB-124	CRA	SO-56394-CB-012110-116	1/21/2010	8-10	1320		1			
SB-124	SulTRAC	S-SO-56394-CB-012110-116	1/21/2010	8-10	1310			1		
SB-126	CRA	SO-56394-CB-012110-117	1/21/2010	0-1	1415		1			
SB-126	CRA	SO-56394-CB-012110-118	1/21/2010	7.5-9.5	1420		1			
SB-126	SulTRAC	S-SO-56394-CB-012110-118	1/21/2010	7.5-9.5	1410			1		
SB-105	CRA	SO-56394-CB-012110-119	1/21/2010	0-1	1520		1			
SB-105	CRA	SO-56394-CB-012110-120	1/21/2010	1-3	1525		1			
SB-105	CRA	SO-56394-CB-012110-121	1/21/2010	3-5	1530		1			
SB-105	CRA	SO-56394-CB-012110-122	1/21/2010	8-10	1535		1			
SB-128	CRA	SO-56394-CB-012110-123	1/21/2010	3-5	1540	Duplicate				
SB-128	CRA	SO-56394-CB-012110-124	1/21/2010	0-1	1615		1			
SB-128	CRA	SO-56394-CB-012110-125	1/21/2010	11.5-13.5	1620		1			
SB-130	CRA	SO-56394-CB-012510-126	1/25/2010	0-1	0915		1			
SB-130	CRA	SO-56394-CB-012510-127	1/25/2010	12.5-14.5	0925		1			
SB-130	CRA	SO-56394-CB-012510-128	1/25/2010	12.5-14.5	0930	Duplicate				
SB-126	CRA	SO-56394-CB-012510-129	1/25/2010	7.5-9.5	0955	RESAMPLE	1			
SB-126	SulTRAC	S-SO-56394-CB-012510-129	1/25/2010	7.5-9.5	0955			1		
SB-131	CRA	SO-56394-CB-012510-130	1/25/2010	0-1	1040		1			
SB-131	CRA	SO-56394-CB-012510-131	1/25/2010	6-8	1045	MS/MSD	1			
SB-129	CRA	SO-56394-CB-012510-132	1/25/2010	0-1	1120		1			
SB-129	CRA	SO-56394-CB-012510-133	1/25/2010	6-8	1125		1			
SB-129	CRA	SO-56394-CB-012510-134	1/25/2010	8-10	1130		1			
SB-129	SulTRAC	S-SO-56394-CB-012510-133	1/25/2010	6-8	1125			1		
SB-127	CRA	SO-56394-CB-012510-135	1/25/2010	0-1	1245		1			
SB-127	CRA	SO-56394-CB-012510-136	1/25/2010	6.5-8.5	1250		1			
SB-127	CRA	SO-56394-CB-012510-137	1/25/2010	10.5-12.5	1255		1			
SB-127	SulTRAC	S-SO-56394-CB-012510-137	1/25/2010	10.5-12.5	1255			1		



SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
SB-125	CRA	SO-56394-CB-012510-138	1/25/2010	0-1	1335		1			
SB-125	CRA	SO-56394-CB-012510-139	1/25/2010	3-5	1340		1			
SB-125	CRA	SO-56394-CB-012510-140	1/25/2010	3-5	145	Duplicate				
SB-125	CRA	SO-56394-CB-012510-141	1/25/2010	9.5-10	1350		1			
SB-123	CRA	SO-56394-CB-012510-142	1/25/2010	0-1	1500		1			
SB-123	CRA	SO-56394-CB-012510-143	1/25/2010	7-9	1505		1			
SB-123	SuITRAC	S-SO-56394-CB-012510-143	1/25/2010	7-9	1505			1		
SB-121	CRA	SO-56394-CB-012510-144	1/25/2010	0-1	1550		1			
SB-121	CRA	SO-56394-CB-012510-145	1/25/2010	1-3	1555		1			
SB-121	CRA	SO-56394-CB-012510-146	1/25/2010	11-13	1600		1			
SB-121	SuITRAC	S-SO-56394-CB-012510-144	1/25/2010	0-1	1550			1		
SB-132	CRA	SO-56394-CB-012510-147	1/25/2010	0-1	1635		1			
SB-132	CRA	SO-56394-CB-012510-148	1/25/2010	8-10	1640		1			
TP-308	CRA	SO-56394-DR-012510-1057	1/25/2010	0-1.25	0915		1			
TP-308	CRA	SO-56394-DR-012510-1058	1/25/2010	1-2	920		1			
TP-308	CRA	SO-56394-DR-012510-1059	1/25/2010	4-6	925		1			
TP-308	SuITRAC	S-SO-56394-DR-012510-1059	1/25/2010	4-6	925			1		
TP-315	CRA	SO-56394-DR-012510-1060	1/25/2010	0-1	1015		1			
TP-315	CRA	SO-56394-DR-012510-1061	1/25/2010	4-6	1025		1			
TP-309	CRA	SO-56394-DR-012510-1062	1/25/2010	0-1	1115		1			
TP-309	CRA	SO-56394-DR-012510-1063	1/25/2010	3-4	1125		1			
TP-309	SuITRAC	S-SO-56394-DR-012510-1063	1/25/2010	3-4	1125			1		
TP-309	CRA	SO-56394-DR-012510-1064	1/25/2010	6-8	1145	MS/MSD	1			
TP-314	CRA	SO-56394-DR-012510-1065	1/25/2010	0-2	1310		1			
TP-314	CRA	SO-56394-DR-012510-1066	1/25/2010	6-8	1320		1			
TP-314	CRA	SO-56394-DR-012510-1067	1/25/2010	10-11	1330		1			
TP-312	CRA	SO-56394-DR-012510-1069	1/25/2010	0-2	1440		1			
TP-312	SuITRAC	S-SO-56394-DR-012510-1069	1/25/2010	0-2	1440			1		
TP-312	CRA	SO-56394-DR-012510-1070	1/25/2010	5-7	1500		1			
TP-312	CRA	SO-56394-DR-012510-1071	1/25/2010	5-7	1500	Duplicate				
SB-133	CRA	SO-56394-CB-102610-150	1/26/2010	0-1	0900	MS/MSD	1			
SB-133	CRA	SO-56394-CB-102610-149	1/26/2010	7-9	0905		1			
SB-133	CRA	SO-56394-CB-102610-151	1/26/2010	7-9	0910	Duplicate				
SB-137	CRA	SO-56394-CB-102610-152	1/26/2010	0-1	1015		1			
SB-137	CRA	SO-56394-CB-102610-153	1/26/2010	8-10	1020		1			
SB-137	SuITRAC	S-SO-56394-CB-102610-153	1/26/2010	8-10	1020			1		
SB-135	CRA	SO-56394-CB-102610-154	1/26/2010	0-1	1105		1			
SB-135	CRA	SO-56394-CB-102610-155	1/26/2010	8-10	1110		1			
SB-136	CRA	SO-56394-CB-102610-156	1/26/2010	0-1	1240		1			



SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
SB-136	CRA	SO-56394-CB-102610-157	1/26/2010	0-1	1245	Duplicate				
SB-136	CRA	SO-56394-CB-102610-158	1/26/2010	8-10	1250		1			
SB-136	SuITRAC	S-SO-56394-CB-102610-158	1/26/2010	8-10	1250			1		
SB-134	CRA	SO-56394-CB-102610-159	1/26/2010	0-1	1340		1			
SB-134	CRA	SO-56394-CB-102610-160	1/26/2010	1.5-3.5	1345		1			
SB-134	SuITRAC	S-SO-56394-CB-102610-160	1/26/2010	1.5-3.5	1345			1		
SB-140	CRA	SO-56394-CB-102610-161	1/26/2010	0-1	1430		1			
SB-140	CRA	SO-56394-CB-102610-162	1/26/2010	8-10	1435		1			
SB-140	CRA	SO-56394-CB-102610-163	1/26/2010	8-10	1440	Duplicate				
SB-138	CRA	SO-56394-CB-102610-164	1/26/2010	0-1	1515		1			
SB-138	CRA	SO-56394-CB-102610-165	1/26/2010	8-10	1520		1			
SB-138	SuITRAC	S-SO-56394-CB-102610-165	1/26/2010	8-10	1520			1		
SB-141	CRA	SO-56394-CB-102610-166	1/26/2010	0-1	1610		1			
SB-141	CRA	SO-56394-CB-102610-167	1/26/2010	9-11	1615		1			
SB-141	SuITRAC	S-SO-56394-CB-102610-166	1/26/2010	0-1	1610			1		
TP-313	CRA	SO-56394-DR-012510-1072	1/26/2010	2-4	900		1			
TP-313	CRA	SO-56394-DR-012510-1073	1/26/2010	4-6	910		1			
TP-313	CRA	SO-56394-DR-012510-1074	1/26/2010	4-6	910	Duplicate				
TP-313	CRA	SO-56394-DR-012510-1075	1/26/2010	8-9	925		1			
TP-313	SuITRAC	S-SO-56394-DR-012510-1075	1/26/2010	8-9	925			1		
TP-311	CRA	SO-56394-DR-012510-1076	1/26/2010	0-2	1030		1			
TP-311	CRA	SO-56394-DR-012510-1077	1/26/2010	4-6	1045		1			
TP-310	CRA	SO-56394-DR-012510-1078	1/26/2010	1-2	1135		1			
TP-310	SuITRAC	S-SO-56394-DR-012510-1078	1/26/2010	1-2	1135			1		
TP-310	SuITRAC	SD-SO-56394-DR-012510-1078	1/26/2010	1-2	1135	Duplicate			1	
TP-310	CRA	SO-56394-DR-012510-1079	1/26/2010	8-10	1155		1			
SB-139	CRA	SO-56394-CB-012710-168	1/27/2010	0-1	900		1			
SB-139	CRA	SO-56394-CB-012710-169	1/27/2010	6-8	905		1			
SB-139	SuITRAC	S-SO-56394-CB-012710-168	1/27/2010	0-1	900			1		
SB-139	SuITRAC	SD-SO-56394-CB-012710-168	1/27/2010	0-1	900	Duplicate			1	
SB-321	CRA	SO-56394-CB-012710-170	1/27/2010	0-1	1000		1			
SB-321	CRA	SO-56394-CB-012710-171	1/27/2010	0-1	1005	Duplicate				
SB-321	CRA	SO-56394-CB-012710-172	1/27/2010	7-9	1010		1			
SB-301	CRA	SO-56394-CB-012710-173	1/27/2010	0-1	1050		1			
SB-301	CRA	SO-56394-CB-012710-174	1/27/2010	5.5-7.5	1055		1			
SB-301	CRA	SO-56394-CB-012710-175	1/27/2010	5.5-7.5	1100	Duplicate				
SB-302	CRA	SO-56394-CB-012710-176	1/27/2010	0-1	1120	MS/MSD	1			
SB-302	CRA	SO-56394-CB-012710-177	1/27/2010	6.75-8.75	1135		1			
SB-302	CRA	SO-56394-CB-012710-178	1/27/2010	8.75-9.75	1140		1			

SUBSURFACE SOIL SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
SB-302	SuITRAC	S-SO-56394-CB-012710-177	1/27/2010	6.75-8.75	1135			1		
SB-202	CRA	SO-56394-CB-012710-179	1/27/2010	0-1	1345	MS/MSD	1			
SB-202	CRA	SO-56394-CB-012710-180	1/27/2010	2-4	1350		1			
SB-202	SuITRAC	S-SO-56394-CB-012710-180	1/27/2010	2-4	1350			1		
SB-201	CRA	SO-56394-CB-012710-181	1/27/2010	0-1	1445		1			
SB-201	CRA	SO-56394-CB-012710-182	1/27/2010	2-4	1450		1			
SB-201	SuITRAC	S-SO-56394-CB-012710-182	1/27/2010	2-4	1450			1		
SB-204	CRA	SO-56394-CB-012710-183	1/27/2010	0-1	1520		1			
SB-204	CRA	SO-56394-CB-012710-184	1/27/2010	2-4	1540		1			
SB-204	SuITRAC	S-SO-56394-CB-012710-183	1/27/2010	0-1	1520	MS/MSD		1		1
SB-203	CRA	SO-56394-CB-012710-185	1/27/2010	0-1	1550		1			
SB-203	CRA	SO-56394-CB-012710-186	1/27/2010	2.5-4.5	1555		1			
SB-203	CRA	SO-56394-CB-012710-187	1/27/2010	2.5-4.5	1600	Duplicate				
SB-311	CRA	SO-56394-CB-012810-188	1/28/2010	0-1	910		1			
SB-311	CRA	SO-56394-CB-012810-189	1/28/2010	13-15	915		1			
SB-311	SuITRAC	S-SO-56394-CB-012810-189	1/28/2010	13-15	915			1		
SB-311	SuITRAC	SD-SO-56394-CB-012810-189	1/28/2010	13-15	915	Duplicate			1	
SB-309	CRA	SO-56394-CB-012810-190	1/28/2010	0-1	1005		1			
SB-309	CRA	SO-56394-CB-012810-191	1/28/2010	0-1	1010	Duplicate				
SB-309	CRA	SO-56394-CB-012810-192	1/28/2010	12.5-14.5	1000		1			
SB-309	SuITRAC	S-SO-56394-CB-012810-190	1/28/2010	0-1	1005			1		
SB-310	CRA	SO-56394-CB-012810-193	1/28/2010	0-1	1030		1			
SB-310	CRA	SO-56394-CB-012810-194	1/28/2010	12-14	1045	MS/MSD	1			
SB-312	CRA	SO-56394-CB-012810-195	1/28/2010	0-1	1135		1			
Totals							209	53	6	3



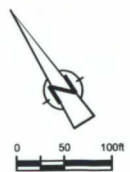
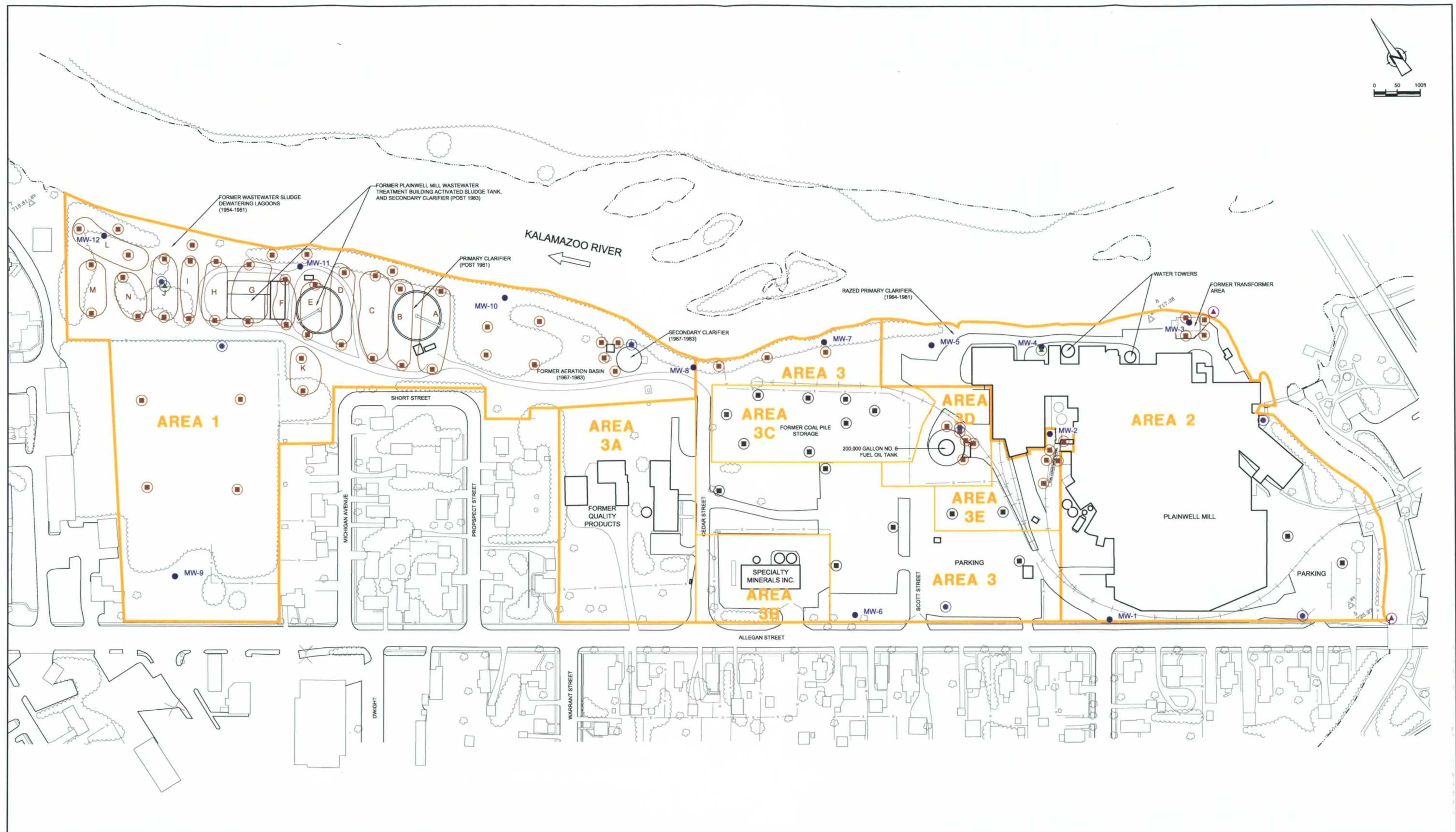
VAS AND MONITORING WELL GROUNDWATER SAMPLES										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
VA-1	CRA	VAS-56394-DR-011110-1001	1/11/2010	10-14	1600		1			
VA-1	SuITRAC	S-VAS-56394-DR-011110-1001	1/11/2010	10-14	1600			1		
VA-1	CRA	VAS-56394-DR-011210-1002	1/12/2010	14-18	945		1			
VA-1	CRA	VAS-56394-DR-011210-1003	1/12/2010	18-22	1055		1			
VA-1	CRA	VAS-56394-DR-011210-1004	1/12/2010	18-22	1055	Duplicate				
VA-1	CRA	VAS-56394-DR-011210-1005	1/12/2010	22-26	1345		1			
VA-1	CRA	VAS-56394-DR-011210-1006	1/12/2010	26-30	1530		1			
VA-1	CRA	VAS-56394-DR-011310-1007	1/13/2010	30-34	840		1			
VA-1	CRA	VAS-56394-DR-011310-1008	1/13/2010	34-38	1010		1			
VA-1	SuITRAC	S-VAS-56394-DR-011310-1008	1/13/2010	34-38	1010			1		
VA-1	SuITRAC	SD-VAS-56394-DR-011310-1008	1/13/2010	34-38	1010	Duplicate			1	
VA-1	CRA	VAS-56394-DR-011310-1009	1/13/2010	38-42	1145		1			
VA-2	CRA	VAS-56394-DR-011310-1012	1/13/2010	6-10	1635		1			
VA-2	CRA	VAS-56394-DR-011410-1013	1/14/2010	10-14	845		1			
VA-2	SuITRAC	S-VAS-56394-DR-011410-1014	1/14/2010	10-14	845			1		
VA-2	CRA	VAS-56394-DR-011410-1014	1/14/2010	14-18	1040		1			
VA-2	CRA	VAS-56394-DR-011410-1015	1/14/2010	14-18	1040	Duplicate				
VA-2	CRA	VAS-56394-DR-011410-1016	1/14/2010	18-22	1250		1			
VA-2	CRA	VAS-56394-DR-011410-1017	1/14/2010	22-26	1400		1			
VA-2	CRA	VAS-56394-DR-011810-1018	1/18/2010	26-30	955		1			
VA-2	SuITRAC	VAS-56394-DR-011810-1018	1/18/2010	26-30	955			1		
VA-2	CRA	VAS-56394-DR-011810-1019	1/18/2010	30-32	1135		1			
MW-12	CRA	GW-56394-CB-020110-197	2/1/2010		1020		1			
MW-12	CRA	GW-56394-CB-020110-198	2/1/2010		1045	DUPLICATE				
MW-13	CRA	GW-56394-CB-020110-199	2/1/2010		1050		1			
MW-13	SuITRAC	S-GW-56394-CB-020110-199	2/1/2010		1050			1		
MW-14	CRA	GW-56394-CB-020110-200	2/1/2010		1250	MS/MSD	1			
MW-11	CRA	GW-56394-CB-020110-201	2/1/2010		1505		1			
MW-11	SuITRAC	S-GW-56394-CB-020110-201	2/1/2010		1505			1		
MW-3	CRA	GW-56394-CB-020210-203	2/2/2010		840		1			
MW-3	CRA	GW-56394-CB-020210-204	2/2/2010		910	DUPLICATE				
MW-4	CRA	GW-56394-CB-020210-205	2/2/2010		920		1			
MW-4	SuITRAC	S-GW-56394-CB-020210-205	2/2/2010		920			1		
MW-4	SuITRAC	SD-GW-56394-CB-020210-205	2/2/2010		950	DUPLICATE			1	
MW-5	CRA	GW-56394-CB-020210-206	2/2/2010		1135		1			
MW-10	CRA	GW-56394-CB-020210-207	2/2/2010		1325		1			
MW-9	CRA	GW-56394-CB-020210-208	2/2/2010		1525		1			
MW-18	CRA	GW-56394-CB-020310-210	2/3/2010		840		1			
MW-18	SuITRAC	S-GW-56394-CB-020310-210	2/3/2010		840	MS/MSD		1		1

VAS AND MONITORING WELL GROUNDWATER SAMPLES continued										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SuITRAC sample count	SuITRAC Duplicate Count	SuITRAC MS/MSD count
MW-6	CRA	GW-56394-CB-020310-211	2/3/2010		910		1			
MW-6	CRA	GW-56394-CB-020310-212	2/3/2010		940	DUPLICATE				
MW-7	CRA	GW-56394-CB-020310-213	2/3/2010		1130		1			
MW-19	CRA	GW-56394-CB-020310-214	2/3/2010		1315		1			
MW-2	CRA	GW-56394-CB-020310-215	2/3/2010		1515		1			
MW-16	CRA	GW-56394-CB-020410-217	2/4/2010		845		1			
MW-16	SuITRAC	S-GW-56394-CB-020410-217	2/4/2010		845			1		
MW-17	CRA	GW-56394-CB-020410-218	2/4/2010		955	MS/MSD	1			
MW-1	CRA	GW-56394-CB-020410-219	2/4/2010		1140		1			
MW-8	CRA	GW-56394-CB-020410-220	2/4/2010		1345		1			
MW-15	CRA	GW-56394-CB-020410-221	2/4/2010		1405		1			
Totals							34	9	2	1

SURFACE WATER SAMPLES										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SulTRAC sample count	SulTRAC Duplicate Count	SulTRAC MS/MSD count
SW-1	EV	SW-56394-EV-011910-1028	1/19/2010				1			
SW-2	EV	SW-56394-EV-011910-1029	1/19/2010				1			
Totals							2			
SURFACE SOIL SAMPLES										
SAMPLE LOCATION	SAMPLER	SAMPLE ID	DATE	INTERVAL, FT	SAMPLE TIME	Field Duplicates or MS/MSD	CRA sample count	SulTRAC sample count	SulTRAC Duplicate Count	SulTRAC MS/MSD count
SS-105	CRA	SS-56394-EV-011210-011	1/12/2010	0-1			1			
SS-103	CRA	SS-56394-EV-011210-012	1/12/2010	0-1	1320		1			
SS-103	SulTRAC	S-SS-56394-EV-011210-012	1/12/2010	0-1	1320			1		
SS-102	CRA	SS-56394-EV-011210-013	1/12/2010	0-1	1345		1			
SS-100	CRA	SS-56394-EV-011210-010	1/12/2010	0-1	1415		1			
SS-107	CRA	SS-56394-EV-011210-015	1/12/2010	0-1	1120		1			
SS-101	CRA	SS-56394-EV-011310-021	1/13/2010	0-1	1135		1			
SS-101	SulTRAC	S-SS-56394-EV-011310-021	1/13/2010	0-1	1135			1		
SS-104	CRA	SS-56394-EV-011310-022	1/13/2010	0-1	1325		1			
SS-106	CRA	SS-56394-EV-011310-023	1/13/2010	0-1	1345		1			
SS-106	CRA	SS-56394-EV-011310-024	1/13/2010	0-1	1350	Duplicate				
Total							8	2	0	0

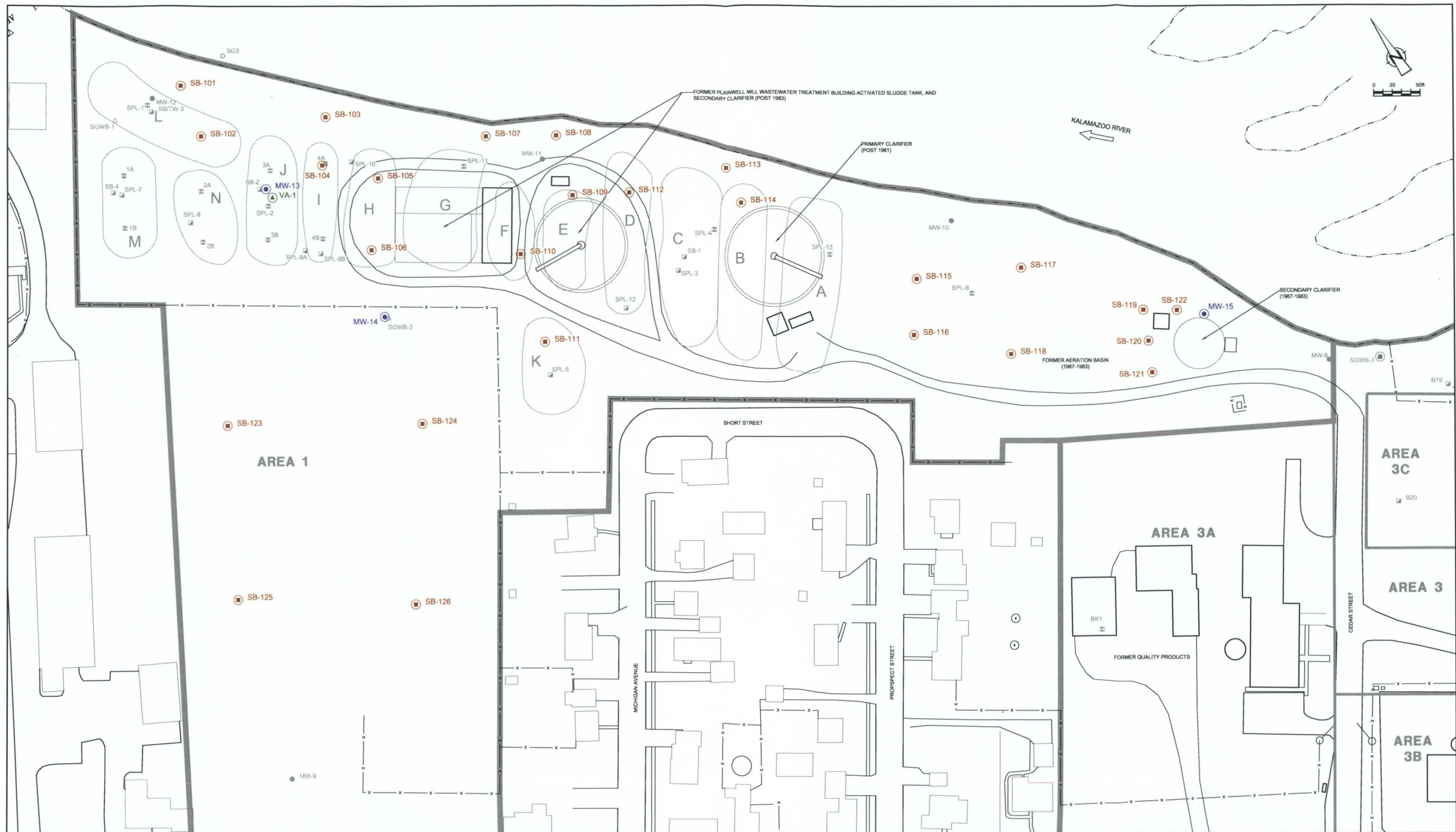


**ATTACHMENT 1**  
**CRA SAMPLE LOCATION FIGURES**  
(Four Sheets)



<p><b>LEGEND</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>— AREA BOUNDARY</p> <p>— SHORELINE</p> <p>— FORMER WASTEWATER SLUDGE DEWATERING LAGOONS</p> <p>— FENCELINE</p> <p>— RAILWAY</p> <p>— VEGETATION</p> </div> <div style="width: 45%;"> <p>▲ SURVEY BENCHMARK</p> <p>● MW-9 EXISTING MONITORING WELL LOCATION</p> <p>○ PROPOSED MONITORING WELL LOCATION</p> <p>○ PROPOSED SOIL BORING LOCATION</p> <p>○ PROPOSED TEST PIT LOCATION</p> <p>○ PROPOSED SURFACE WATER SAMPLE LOCATION</p> <p>○ PROPOSED VERTICAL AQUIFER TESTING LOCATION</p> </div> </div>		<p>SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No</th> <th>Revision</th> <th>Date</th> <th>Initial</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		No	Revision	Date	Initial																													<p>Approved _____</p>		<p><b>SITE-WIDE PROPOSED PHASE II SAMPLING LOCATIONS</b></p> <p><b>PHASE II REMEDIAL INVESTIGATION WORK PLAN</b></p> <p><b>FORMER PLAINWELL, INC MILL PROPERTY</b></p> <p><b>PLAINWELL, MICHIGAN</b></p>		<div style="text-align: right;"> <p><b>CONESTOGA-ROVERS &amp; ASSOCIATES</b></p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">Source Reference:</td> <td>Date: MAY 2009</td> </tr> <tr> <td>Project Manager: G. CARLI</td> <td>Reviewed By: E. STAHL</td> <td>Designed By:</td> <td>Drawn By: C. JACOBI</td> </tr> <tr> <td>Scale: 1:100</td> <td>Project No: 056394-04</td> <td>Report No: 002</td> <td>Drawing No: FIGURE 5.1</td> </tr> </table>				Source Reference:			Date: MAY 2009	Project Manager: G. CARLI	Reviewed By: E. STAHL	Designed By:	Drawn By: C. JACOBI	Scale: 1:100	Project No: 056394-04	Report No: 002	Drawing No: FIGURE 5.1
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**LEGEND**

<p>— AREA BOUNDARY</p> <p>--- SHORELINE</p> <p>--- FORMER WASTEWATER SLUDGE DEWATERING LAGOONS</p> <p>-x-x- FENCELINE</p> <p>--- VEGETATION</p> <p>● PROPOSED MONITORING WELL LOCATION</p> <p>○ PROPOSED SOIL BORING LOCATION</p> <p>○ PROPOSED VERTICAL AQUIFER TESTING LOCATION</p>	<p>■ PREVIOUS SOIL SAMPLE LOCATION</p> <p>■ PREVIOUS SOIL BORING LOCATION</p> <p>● PREVIOUS MONITORING WELL LOCATION</p> <p>■ PREVIOUS TEMPORARY WELL LOCATION</p> <p>△ PREVIOUS GROUNDWATER SAMPLE LOCATION</p> <p>○ PREVIOUS STAFF GAUGE LOCATION (APPROXIMATE)</p>
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NOTE: LOCATIONS IN WOODED AREAS ARE APPROXIMATE, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved \_\_\_\_\_

**AREA 1 PROPOSED PHASE II SAMPLE LOCATIONS**

**PHASE II REMEDIAL INVESTIGATION WORK PLAN**

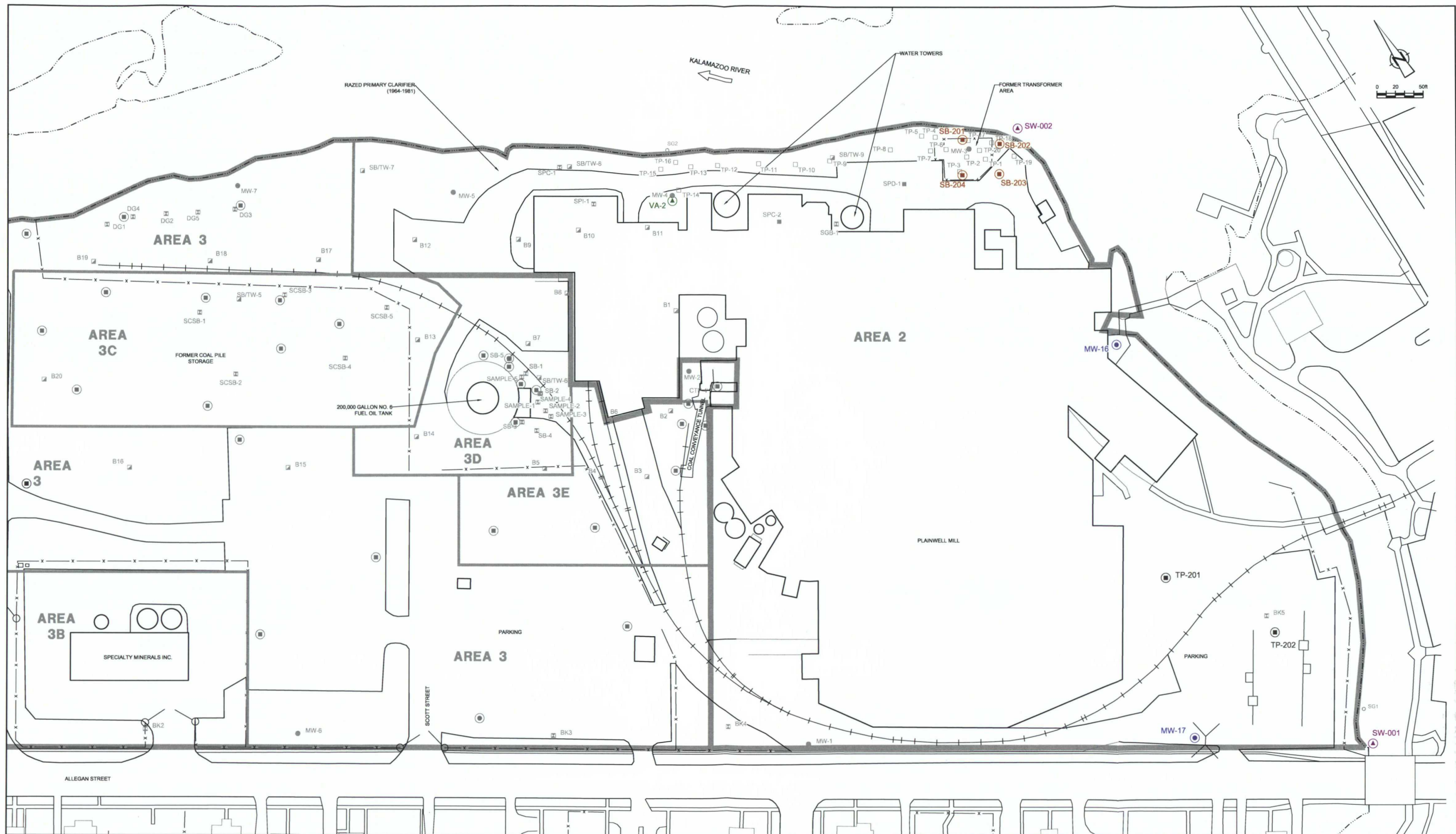
**FORMER PLAINWELL, INC MILL PROPERTY**

**PLAINWELL, MICHIGAN**

**CRA CONESTOGA-ROVERS & ASSOCIATES**

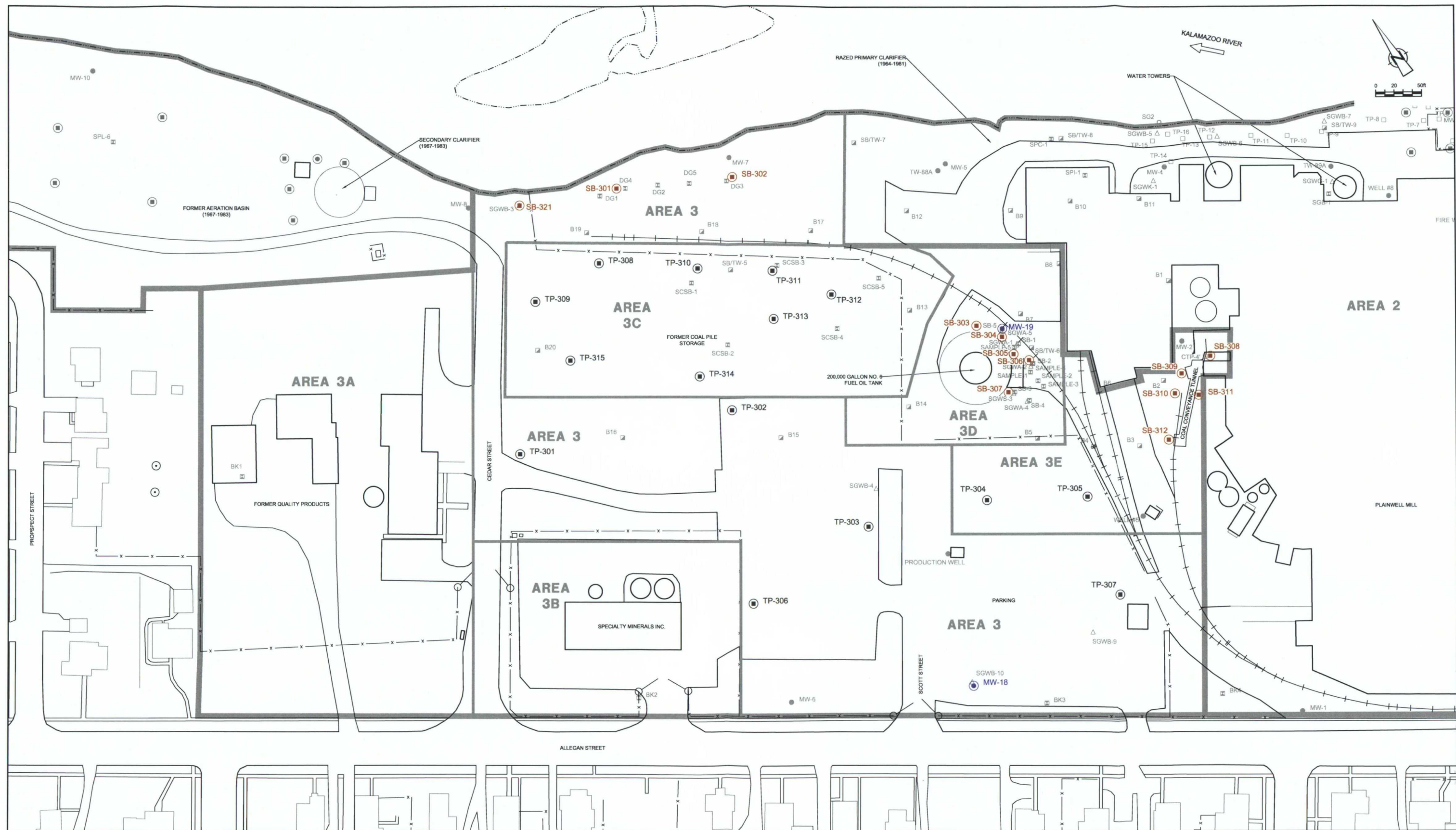
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Project Manager: G. CARLI	Reviewed By: E. STAHL	Designed By: C. JACOBI	Drawn By: C. JACOBI
Scale: 1:100	Project No: 056394-04	Report No: 002	Drawing No: FIGURE 5.2





LEGEND		SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.		Approved		AREA 2 PROPOSED PHASE II SAMPLE LOCATIONS		CONESTOGA-ROVERS & ASSOCIATES																				
—	AREA BOUNDARY	■	PREVIOUS SOIL SAMPLE LOCATION	<table border="1"><thead><tr><th>No</th><th>Revision</th><th>Date</th><th>Initial</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	No	Revision	Date	Initial																	PHASE II REMEDIAL INVESTIGATION WORK PLAN		Source Reference: RMT PROJ. 00-05121.03 Date: MAY 2009	
No	Revision	Date	Initial																									
—	SHORELINE	■	PREVIOUS SOIL BORING LOCATION	FORMER PLAINWELL, INC MILL PROPERTY PLAINWELL, MICHIGAN		Project Manager: G. CARLI Reviewed By: E. STAHL Designed By: Drawn By: C. JACOBI																						
—	RAILWAY	□	PREVIOUS TEST PIT			Scale: 1:100 Project No: 056394-04 Report No: 002 Drawing No: FIGURE 5.3																						
—	FENCELINE	■	PREVIOUS SEDIMENT SAMPLE LOCATION																									
—	VEGETATION	●	PREVIOUS GROUNDWATER MONITORING WELL LOCATION																									
●	PROPOSED MONITORING WELL LOCATION	△	PREVIOUS GROUNDWATER SAMPLE LOCATION																									
○	PROPOSED SOIL BORING LOCATION	○	PREVIOUS STAFF GAUGE LOCATION (APPROXIMATE)																									
○	PROPOSED SURFACE WATER SAMPLE LOCATION																											
○	PROPOSED TEST PIT LOCATION																											
○	PROPOSED VERTICAL AQUIFER TESTING LOCATION																											





**LEGEND**

AREA BOUNDARY	PREVIOUS SOIL SAMPLE LOCATION
SHORELINE	PREVIOUS SOIL BORING LOCATION
RAILWAY	PREVIOUS TEST PIT
FENCELINE	PREVIOUS SEDIMENT SAMPLE LOCATION
VEGETATION	PREVIOUS GROUNDWATER MONITORING WELL LOCATION
PROPOSED MONITORING WELL LOCATION	PREVIOUS GROUNDWATER SAMPLE LOCATION
PROPOSED SOIL BORING LOCATION	PREVIOUS STAFF GAUGE LOCATION (APPROXIMATE)
PROPOSED TEST PIT LOCATION	

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved \_\_\_\_\_

**AREA 3 PROPOSED PHASE II  
SAMPLE LOCATIONS**

**PHASE II REMEDIAL INVESTIGATION WORK PLAN**

**FORMER PLAINWELL, INC MILL PROPERTY  
PLAINWELL, MICHIGAN**

<b>CONESTOGA-ROVERS &amp; ASSOCIATES</b>	
Source Reference: RMT PROJ. 00-05121.03	
Date: MAY 2009	
Project Manager: G. CARLI	Reviewed By: E. STAHL
Designed By: C. JACOBI	Drawn By: C. JACOBI
Scale: 1:100	Project No: 056394-04
Report No: 002	Drawing No: FIGURE 5.4